

**CLAIMS**

What is claimed is:

1. A method for automatically scaling an image, comprising:
  2. initially scanning an original image at an initial scanning resolution;
  3. detecting the relative positions of lateral edges of the original image;
  4. determining the width of the original image based upon the positions of the lateral edges;
  6. making an initial size presumption of the original image based upon the determined width;
  8. making a first scanning resolution determination based upon the initial size presumption; and
  10. continuing scanning of the original image based upon the first scanning resolution determination.
1. 2. The method of claim 1, wherein the initial size presumption is based upon an aspect ratio assumption.
1. 3. The method of claim 1, further comprising adjusting the scanning resolution based upon the first scanning resolution determination to obtain a new scanning resolution.

1           4.       The method of claim 3, wherein the scanning resolution is adjusted  
2       downwardly.

1           5.       The method of claim 3, wherein the new scanning resolution is  
2       calculated so as to maximize the image within a screen of a display device.

1           6.       The method of claim 3, wherein the new scanning resolution comprises  
2       one of several possible predetermined scanning resolutions.

1           7.       The method of claim 3, further comprising downsampling already  
2       collected scanned data such that it has the same resolution as the new scanning  
3       resolution.

1           8.       The method of claim 1, further comprising making a second size  
2       presumption if a bottom edge is not detected where expected based upon the initial  
3       size presumption.

1           9.       The method of claim 8, further comprising making a second scan  
2       resolution determination based upon the second size presumption.

1           10.      The method of claim 9, further comprising adjusting the scanning  
2       resolution based upon the second scanning resolution determination to obtain a new  
3       scanning resolution.

1           11.     The method of claim 10, wherein the scanning resolution is adjusted  
2     downwardly.

1           12.     The method of claim 11, further comprising downsampling already  
2     collected scanned data such that it has the same resolution as the new scanning  
3     resolution.

1           13.     A scanner comprising a computer readable medium, comprising:  
2                 logic configured to initially scan an original image at an initial scanning  
3     resolution;  
4                 logic configured to detect the relative positions of lateral edges of the original  
5     image;  
6                 logic configured to determine the width of the original image based upon the  
7     positions of the lateral edges;  
8                 logic configured to make an initial size presumption of the original image  
9     based upon the determined width;  
10                logic configured to make a first scanning resolution determination based upon  
11     the initial size presumption; and  
12                logic configured to continue scanning of the original image based upon the  
13     first scanning resolution determination.

1           14.     The scanner of claim 13, further comprising logic configured to adjust  
2     the scanning resolution based upon the first scanning resolution determination to  
3     obtain a new scanning resolution.

1           15.     The scanner of claim 14, further comprising logic configured to  
2     downsample already collected scanned data such that it has the same resolution as the  
3     new scanning resolution.

1           16.     The scanner of claim 13, further comprising logic configured to make a  
2     second size presumption if a bottom edge is not detected where expected based upon  
3     the initial size presumption.

1           17.     The scanner of claim 16, further comprising logic configured to make a  
2     second scan resolution determination based upon the second size presumption.

1           18.     The scanner of claim 17, further comprising logic configured to adjust  
2     the scanning resolution based upon the second scanning resolution determination to  
3     obtain a new scanning resolution.

1           19.     The scanner of claim 18, further comprising logic configured to  
2     downsample already collected scanned data such that it has the same resolution as the  
3     new scanning resolution.

1           20       A scanner comprising a computer readable medium, comprising:  
2               means for initially scanning an original image at an initial scanning resolution;  
3               means for detecting the relative positions of lateral edges of the original  
4       image;  
5               means for determining the width of the original image based upon the  
6       positions of the lateral edges;  
7               means for making an initial size presumption of the original image based upon  
8       the determined width;  
9               means for making a first scanning resolution determination based upon the  
10      initial size presumption; and  
11               means for continuing scanning of the original image based upon the first  
12      scanning resolution determination.

1           21.       The scanner of claim 13, further comprising means for adjusting the  
2       scanning resolution based upon the first scanning resolution determination to obtain a  
3       new scanning resolution.

1           22.       The scanner of claim 14, further comprising means for downsampling  
2       already collected scanned data such that it has the same resolution as the new scanning  
3       resolution.

1           23.     The scanner of claim 13, further comprising means for making a  
2     second size presumption if a bottom edge is not detected where expected based upon  
3     the initial size presumption.

1           24.     The scanner of claim 16, further comprising means for making a  
2     second scan resolution determination based upon the second size presumption.

1           25.     The scanner of claim 17, further comprising means for adjusting the  
2     scanning resolution based upon the second scanning resolution determination to  
3     obtain a new scanning resolution.

1           26.     The scanner of claim 18, further comprising means for downsampling  
2     already collected scanned data such that it has the same resolution as the new scanning  
3     resolution.